Carrier®
HEATING & COOLING

50JS 018-060
STANDARD EFFICIENCY

50JX 024-060
HIGH EFFICIENCY

SINGLE-PACKAGE
ELECTRIC HEAT PUMP UNITS
with optional ELECTRIC HEAT

- **PERFORMANCE DATA**
- **CERTIFIED DIMENSION PRINT**
- **CERTIFIED ROOF CURB DIMENSION PRINT**

© 2001 Carrier Corporation

Date:	Supersedes:	50JS018-060/50JX024-060 Single-Package Electric Heat Pump Units	50JS/50JX	Rev.:
JOB DATA:		LOCATION:		
BUYER:		BUYER P.O. #	CARRIER #	
UNIT NUMBER:		MODEL NUMBER:		
PERFORMANCE DATA CERTIFIED BY:			DATE:	

50JS/50JX units are self-contained, electric heat pump units designed for easy installation and maintenance and dependable performance. All units have discharge openings for either horizontal or downflow configuration, and all have low sound levels. Units are intended for outdoor installation and may be located on a rooftop, or a ground-level concrete slab, or directly on the ground if local codes permit.

FEATURES

- Standard one year limited warranty for both 50JS and 50JX.
- 10 year warranty on the 50JX compressor.
- 5 year warranty on the 50JS compressor.
- Units certified and listed by UL and c-UL. Units are rated in accordance with ARI Standard 210.
- Low sound ratings.
- Units are pre-wired, pre-piped, and pre-charged for minimum installation expense.
- 12 SEER cooling efficiency, on 50JX; with Energy Star® Recognition.
- Compressor vibration isolation provides quieter operation.
- Easily converted for downflow operation with included horizontal duct covers.
- Cabinets are constructed of heavy-duty, phosphated, zinc coated pre-painted steel capable of withstanding 500 hours in salt spray.
- Easy-to-service cabinets with single-panel accessibility.
- Direct-drive multi-speed, permanent split capacitor (PSC) indoor motor is standard.
- Direct-drive, PSC outdoor fan motor.
- Coils constructed of aluminum fins bonded to copper tubes.
- Wire grille provides additional protection, for the coil.
- “Envirotuff” composite rust-proof unit base pan.
- Sloped drain pan minimizes standing water in the unit.
- Refrigerant service connections make checking operating pressures easier.
- Built-in short-cycling protection for the compressor.
- Copper & pre-coated fin coils are available from the factory by special order, for use in corrosive environments.
- Three-phase units available.

PERFORMANCE DATA

Unit Operating Weight_____lb (unit); _____lb (curb)

COOLING

Net Total Capacity _____ Btuh
Net Sensible Capacity _____ Btuh
Compressor Power Input_____kW @ _____ °F Outdoor-Air Temperature
Indoor Entering-Air db_____°F wb _____ °F
Seasonal Energy Efficiency Ratio _____
CFM _____ Ext. Static Pressure_____in. wg
Indoor Fan Motor _____Hp_____ Rpm_____Bhp

HEATING

Power Input To Unit_____ kW
Integrated Capacity _____ Btuh
Indoor Operating Temp _____°F db
Outdoor-Air Temp _____ °F (Winter Design)
COP/HSPF _____Hi _____Lo
Electric Capacity Required _____ Btuh
Rating @ 70° R.H. _____ KW Heater Selected
_____ Heat/Cool Ratio

ELECTRICAL DATA

Unit Power Supply_____Volts_____Phase_____ Hz
Minimum Circuit Amps_____Maximum Overcurrent Protection_____

FIELD-INSTALLED ACCESSORIES

- ☐ Economizer
- ☐ Manual Air Damper
- ☐ Filter Rack
- ☐ Flat Roof Curb:
  - ☐ 8 in. Height
  - ☐ 14 in. Height
- ☐ Thermostat
  - ☐ Programmable
  - ☐ Non-Programmable
- ☐ Crankcase Heater
- ☐ Compressor Hard Start Kit
- ☐ 0°F Low Ambient Kit
- ☐ Square-to-Round Duct Transition Kit
- ☐ Electric Heat Package-5-20KW
- ☐ Outdoor Thermostat Kit
- ☐ Controls Upgrade Kit

NOTES: _____

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CERTIFIED DIMENSION PRINT

UNITED TECHNOLOGIES CARRIER
P O BOX 4808 SYRACUSE N. Y. 13221
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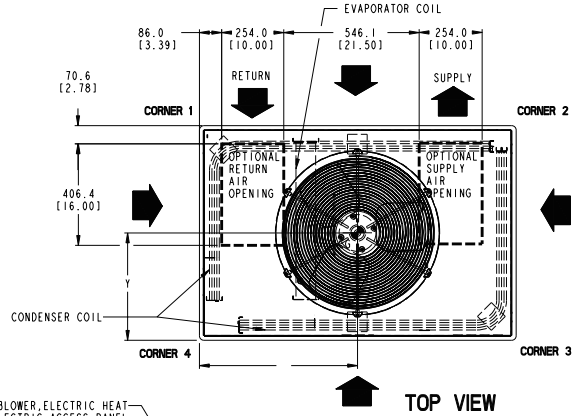
DIMENSIONS IN [] ARE IN INCHES

UNIT	ELECTRICAL CHARACTERISTICS	UNIT WT. LBS.	UNIT WT. KG.	UNIT HEIGHT "A"	CENTER OF GRAVITY MM/IN X	Y	Z	CORNER WEIGHTS LBS,(KG) CORNER 1	CORNER 2	CORNER 3	CORNER 4
50JS018	208-230-1-60	283	128.4	940.3 [37.02]	495.3 [19.5]	348.0 [13.7]	381.0 [15.0]	65,(29.5)	65,(24.0)	61,(27.7)	103,(46.7)
50JS024	208-230-1-60	289	131.1	991.1 [39.02]	500.4 [19.7]	353.1 [13.9]	381.0 [15.0]	67,(30.4)	56,(25.4)	62,(28.1)	104,(47.2)
50JS030	208/230-1-60, 208/230-3-60	287	130.2	991.1 [39.02]	495.3 [19.5]	348.0 [13.7]	381.0 [15.0]	66,(29.9)	54,(24.5)	54,(24.5)	105,(47.6)
50JS036	208/230-1-60, 208/230-3-60, 460-3-60	291	132.0	940.3 [37.02]	495.3 [19.5]	348.0 [13.7]	330.2 [13.0]	67,(30.4)	55,(24.9)	63,(28.6)	106,(48.1)
50JS042	208/230-1-60, 208/230-3-60, 460-3-60	323	146.5	940.3 [37.02]	505.5 [19.9]	355.6 [14.0]	330.2 [13.0]	83,(37.6)	55,(24.9)	78,(35.4)	107,(48.5)
50JX024	208-230-1-60	299	135.6	1041.9 [41.02]	482.6 [19.0]	348.0 [13.7]	406.4 [16.0]	63,(28.6)	62,(28.1)	56,(25.4)	118,(53.5)
50JX030	208/230-1-60, 208/230-3-60	320	145.2	940.3 [37.02]	500.4 [19.7]	355.6 [14.0]	447.0 [17.6]	63,(28.6)	74,(33.6)	56,(25.4)	127,(57.6)
50JX036	208/230-1-60, 208/230-3-60, 460-3-60	328	148.8	940.3 [37.02]	500.4 [19.7]	355.6 [14.0]	419.1 [16.5]	64,(29.0)	76,(34.5)	58,(26.3)	130,(59.0)



TOP VIEW

REQUIRED CLEARANCES TO COMBUSTIBLE MATL.

	MILLIMETERS [IN]
TOP OF UNIT	355.6 [14.00]
DUCT SIDE OF UNIT	50.8 [2.00]
SIDE OPPOSITE DUCTS	355.6 [14.00]
BOTTOM OF UNIT	12.7 [0.50]
ELECTRIC HEAT PANEL	914.4 [36.00]

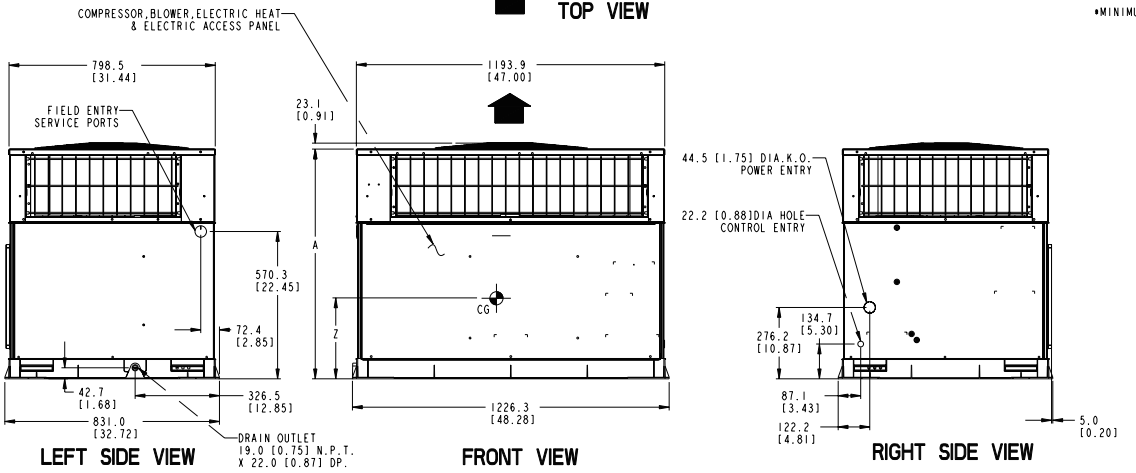
NEC. REQUIRED CLEARANCES.

	MILLIMETERS [IN]
BETWEEN UNITS, POWER ENTRY SIDE	1066.8 [42.00]
UNIT AND UNGROUNDED SURFACES, POWER ENTRY SIDE	914.0 [36.00]
UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUNDED SURFACES, POWER ENTRY SIDE	1066.8 [42.00]

REQUIRED CLEARANCE FOR OPERATION AND SERVICING

	MILLIMETERS [IN]
EVAP. COIL ACCESS SIDE	914.0 [36.00]
POWER ENTRY SIDE	914.0 [36.00]
(EXCEPT FOR NEC REQUIREMENTS)	
UNIT TOP	914.0 [36.00]
SIDE OPPOSITE DUCTS	914.0 [36.00]
DUCT PANEL	304.8 [12.00]*

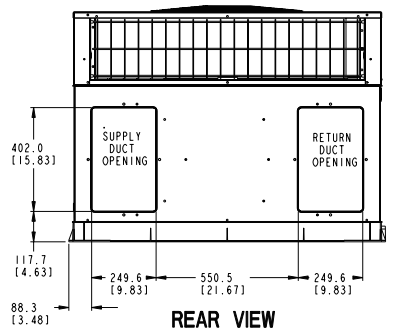
*MINIMUM DISTANCES: IF UNIT IS PLACED LESS THAN 304.8 [12.00] FROM WALL SYSTEM, THEN SYSTEM PERFORMANCE MAYBE COMPROMISED.



LEFT SIDE VIEW

FRONT VIEW

RIGHT SIDE VIEW



REAR VIEW

06/27/00
11/23/99
50JS018-042/50JX024-036 PACKAGED HEAT PUMP
50JS500275
B

C01001

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CERTIFIED DIMENSION PRINT

UNITED TECHNOLOGIES CARRIER — P O BOX 4808 SYRACUSE N. Y. 13221

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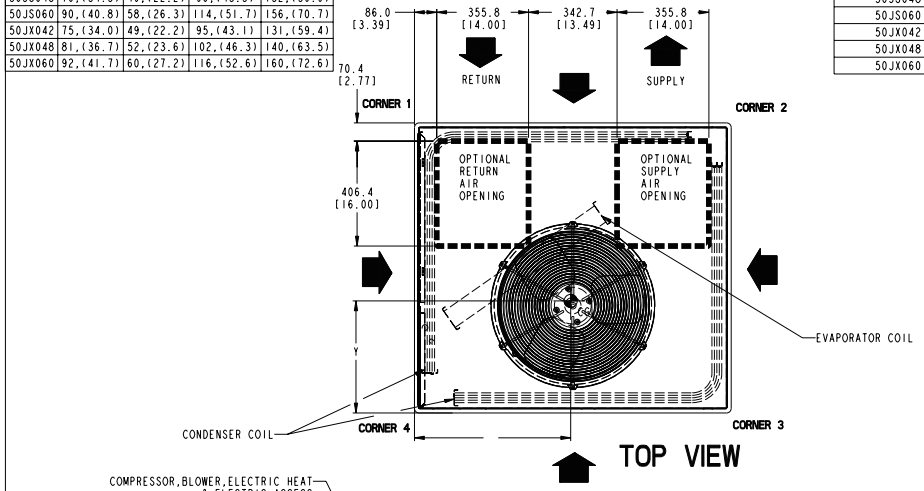
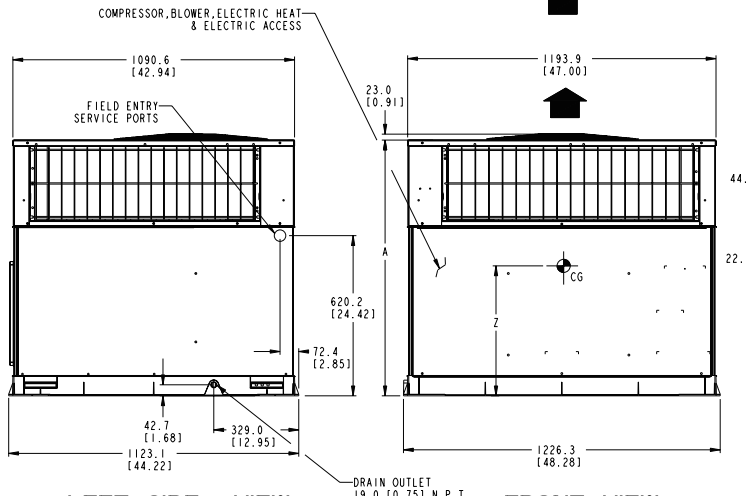
UNIT	CORNER WEIGHTS LBS.(KG)			
	CORNER 1	CORNER 2	CORNER 3	CORNER 4
50JS048	76,(34.5)	49,(22.2)	96,(43.5)	132,(59.9)
50JS060	90,(40.8)	58,(26.3)	114,(51.7)	156,(70.7)
50JX042	75,(34.0)	49,(22.2)	95,(43.1)	131,(59.4)
50JX048	81,(36.7)	52,(23.6)	102,(46.3)	140,(63.5)
50JX060	92,(41.7)	60,(27.2)	116,(52.6)	160,(72.6)

UNIT	ELECTRICAL CHARACTERISTICS	UNIT WT.		UNIT HEIGHT	CENTER OF GRAVITY MM/IN		
		LBS.	KG.	"A"	X	Y	Z
50JS048	208/230-1-60, 208/230-3-60, 460-3-60	353	160.1	990.2[38.98]	505.5[19.9]	398.8[15.7]	431.8 [17.0]
50JS060	208/230-1-60, 208/230-3-60, 460-3-60	418	189.6	990.2[38.98]	505.5[19.9]	398.8[15.7]	431.8 [17.0]
50JX042	208/230-1-60, 208/230-3-60, 460-3-60	350	158.8	1040.9[40.98]	505.5[19.9]	398.8[15.7]	421.6 [16.6]
50JX048	208/230-1-60, 208/230-3-60, 460-3-60	375	170.1	1040.9[40.98]	505.5[19.9]	398.8[15.7]	457.2 [18.0]
50JX060	208/230-1-60, 208/230-3-60, 460-3-60	428	194.1	1091.7[42.98]	505.5[19.9]	398.8[15.7]	447.0 [17.6]

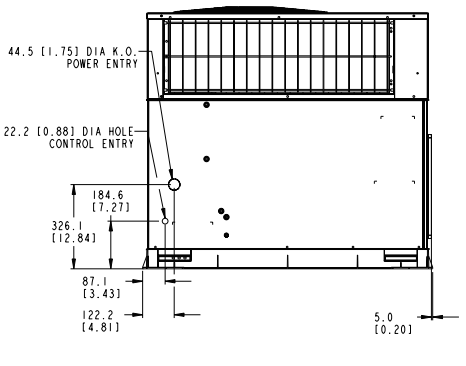


TOP VIEW

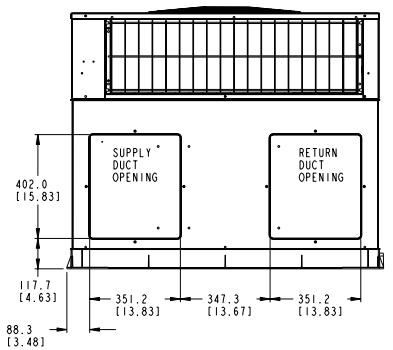


LEFT SIDE VIEW

FRONT VIEW



RIGHT SIDE VIEW



REAR VIEW

REQUIRED CLEARANCES TO COMBUSTIBLE MATL.

	MILLIMETERS [IN]
TOP OF UNIT	355.6 [14.00]
DUCT SIDE OF UNIT	50.8 [2.00]
SIDE OPPOSITE DUCTS	355.6 [14.00]
BOTTOM OF UNIT	12.7 [0.50]
ELECTRIC HEAT PANEL	914.4 [36.00]

NEC. REQUIRED CLEARANCES.

	MILLIMETERS [IN]
BETWEEN UNITS, POWER ENTRY SIDE	1066.8 [42.00]
UNIT AND UNGROUNDED SURFACES, POWER ENTRY SIDE	914.0 [36.00]
UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUNDED SURFACES, POWER ENTRY SIDE	1066.8 [42.00]

REQUIRED CLEARANCE FOR OPERATION AND SERVICING

	MILLIMETERS [IN]
EVAP. COIL ACCESS SIDE	914.0 [36.00]
POWER ENTRY SIDE	914.0 [36.00]
(EXCEPT FOR NEC REQUIREMENTS)	
UNIT TOP	914.0 [36.00]
SIDE OPPOSITE DUCTS	914.0 [36.00]
DUCT PANEL	304.8 [12.00]*

*MINIMUM DISTANCES: IF UNIT IS PLACED LESS THAN 304.8 [12.00] FROM WALL SYSTEM, THEN SYSTEM PERFORMANCE MAYBE COMPROMISED.

DIMENSIONS IN [] ARE IN INCHES

06/27/00

11/23/99

50J5048-060/50JX042-060 PACKAGED HEAT PUMP

50JS500276 B

C01002

CERTIFIED DIMENSION PRINT

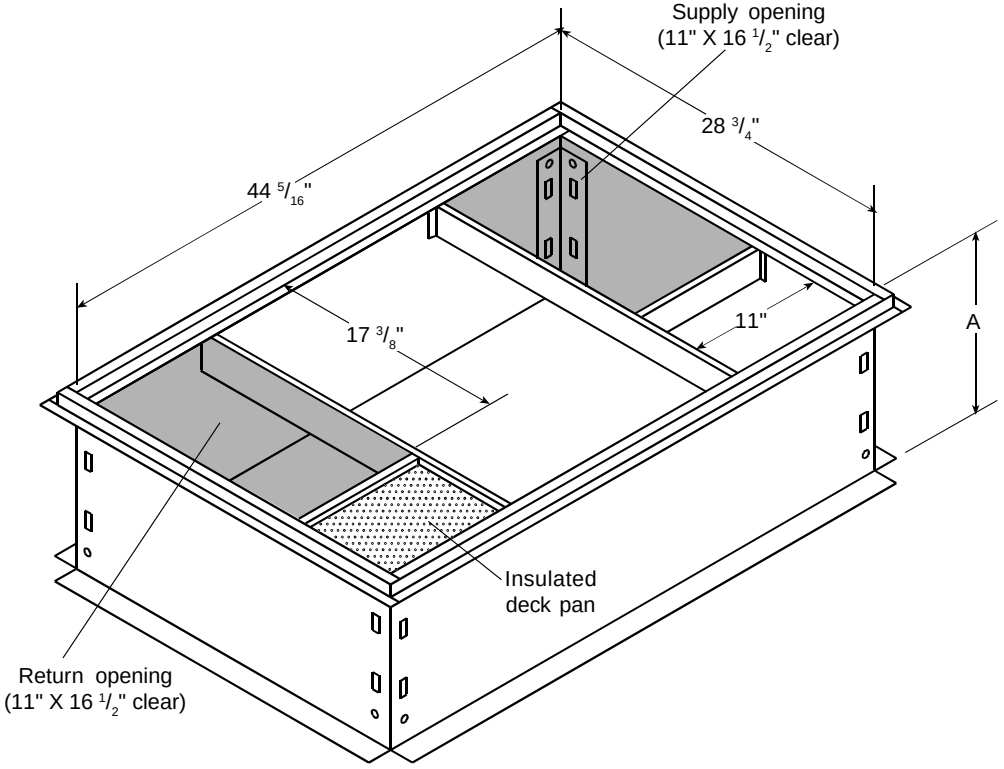
SUBMITTAL

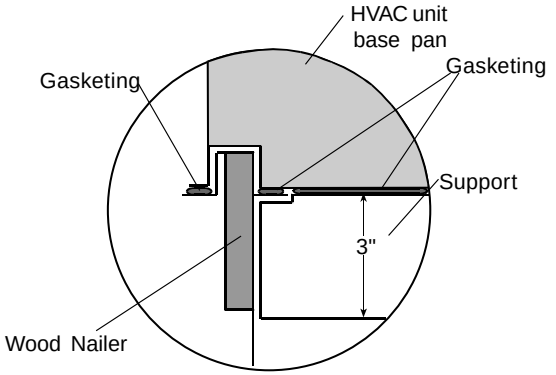
Roof Curb for Small Cabinet

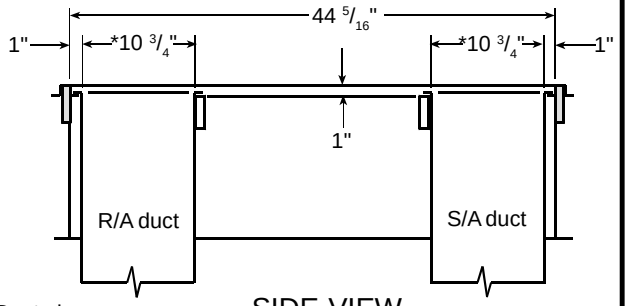
SUBMITTED TO _____
COMPANY: _____
DRAWN BY: A.L.L.
JOB NAME: _____
EQUIPMENT: _____
NOTES: _____

ODS Catalog Ordering No.	A
CPCRFCURB006A00	8"
CPCRFCURB007A00	14"

Feature:
- Constructed of heavy gage galvanized steel.
- Roofcurb ships knocked down in corrugated box.
- Quick-clip design for easy field assembly.
- Insulated deck pan.
- Gasketing package and hardware included.
- Wood nailer provided.







* Duct size

SIDE VIEW

C00077

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CERTIFIED DIMENSION PRINT

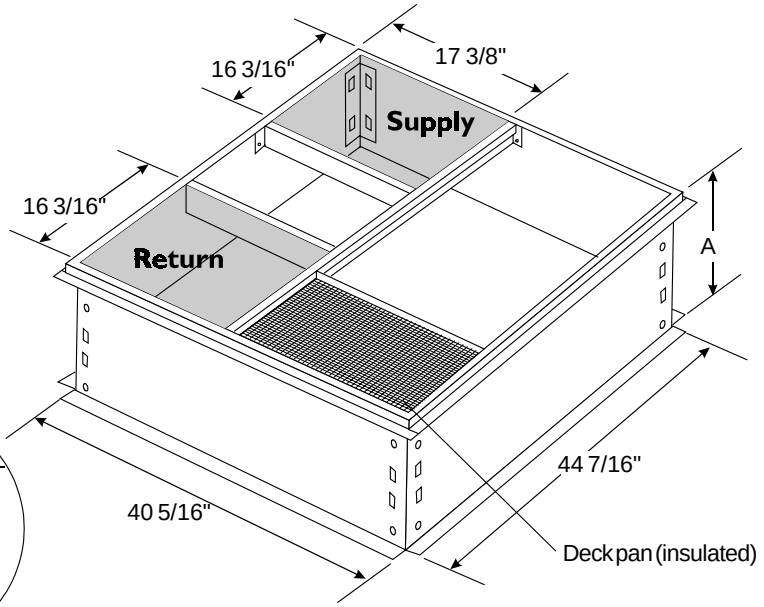
SUBMITTAL

Roof Curb for Large Cabinet

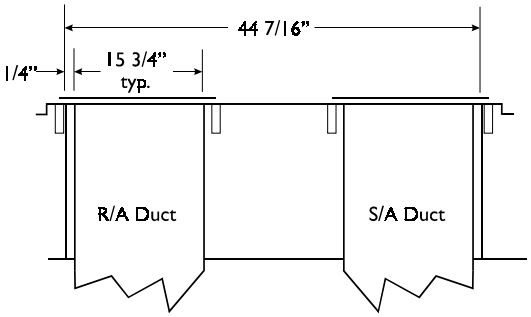
SUBMITTED TO: _____
COMPANY: _____
DRAWN BY: M. HARGIS
JOB NAME: _____
EQUIPMENT: _____
NOTES: _____

FEATURES:

- Constructed of heavy gage galyanized steel.
- Quick-clip design for easy field assembly.
- Ships knocked down w/corrugated box.
- Gasket package for complete outer perimeter flange and around duct openings.
- Wood nailer provided.



Side View



ODS Catalog Ordering No.	A
CPRFCURB008A00	8"
CPRFCURB009A00	14"

C00078

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.